



An All-Electric Future

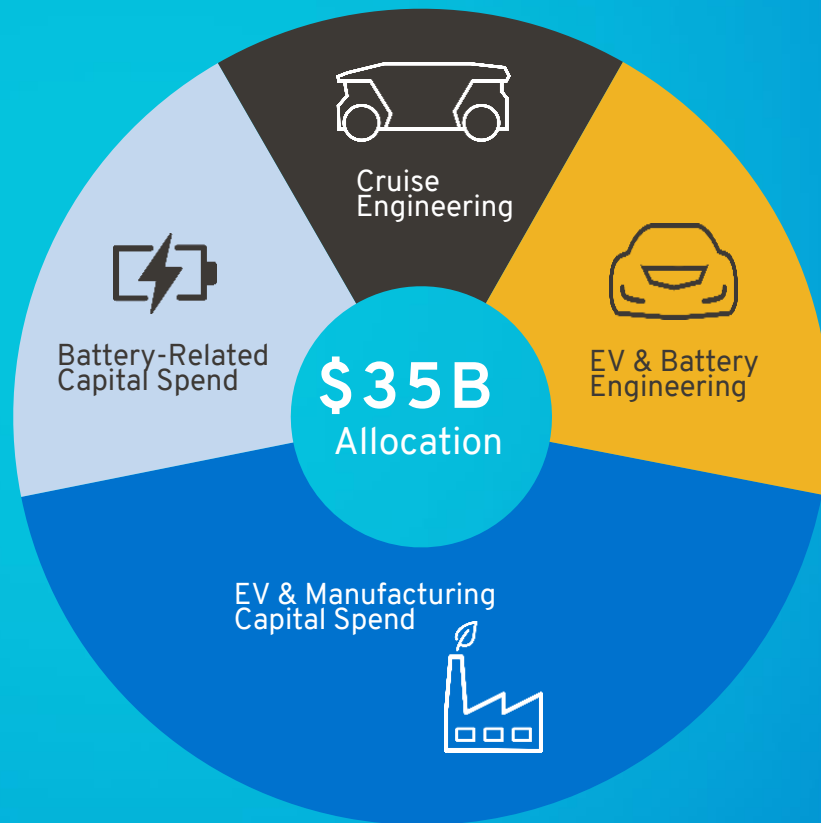
Michael Maten
Director, EV Policy and Regulatory Affairs



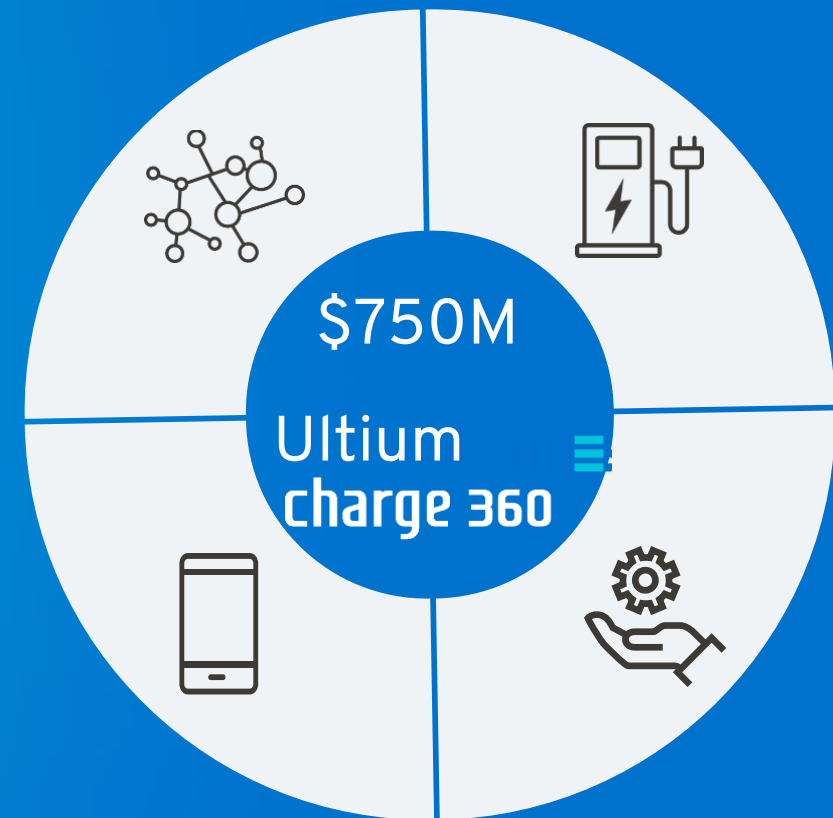
GM IS TRANSFORMING



INVESTMENT



CHARGING ECOSYSTEM



RAPIDLY ACCELERATING EV LAUNCHES

CURRENT EV PRODUCTION



CHEVROLET BOLT EV



CHEVROLET BOLT EUV



GMC HUMMER EV PICKUP



CADILLAC LYRIQ

2023 EV LAUNCHES



CHEVROLET SILVERADO EV



GMC HUMMER EV SUV



CHEVROLET BLAZER EV



CHEVROLET EQUINOX EV

Targeting 1 million units of annual EV capacity in North America in 2025

Building Momentum



HOW WE'RE ACCELERATING EV ADOPTION

EDUCATION & ENGAGEMENT



- Continuous, multi-channel EV education
- Demystifying EV ownership by addressing adoption barriers

CHARGING SOLUTIONS



- Expanding portfolio of intelligent charging products
- Turnkey installation services for retail & commercial customers

CHARGING INFRASTRUCTURE



- Creating the largest, open, integrated charging network
- Control the entire charging & energy experience from the app

ULTIUM CHARGE 360 EXPERIENCE:

Create a compelling membership program with a unified customer experience across all GM-integrated charging networks

EV LIVE

EV LIVE is an on-demand, interactive platform that launched in July 2022, to accelerate EV adoption and enhance the experience of first-time EV owners.

SESSIONS



DEALERS

- Non-Product Training



CUSTOMERS

- Utility Customers
- Home Installation Customers
- EV Owner Second Deliveries
- GM Energy Customers



FLEET

- GM FLEET
- BrightDrop
- eCrate/ePowered
- GM Energy



GM EMPLOYEES AND FAMILIES



EV LIVE STUDIO

The EV LIVE Studio is a versatile physical space, designed incorporating user insights to address any adoption barriers.

- DESIGNED WITH CUSTOMER INSIGHTS IN MIND

- 8 EDUCATIONAL ZONES TO AUGMENT STORYTELLING

- 6 LED SCREENS

For more information visit: evlive.gm.com

ULTIUM CHARGE 360:

NETWORK INFRASTRUCTURE INVESTMENT



\$0.75B

THROUGH 2025

PUBLIC CHARGING

HOME CHARGING

WORKPLACE CHARGING

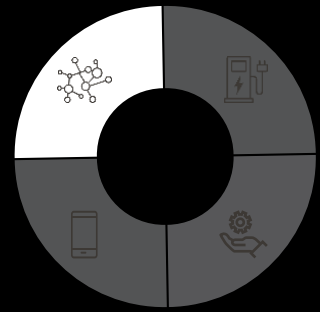
NETWORK



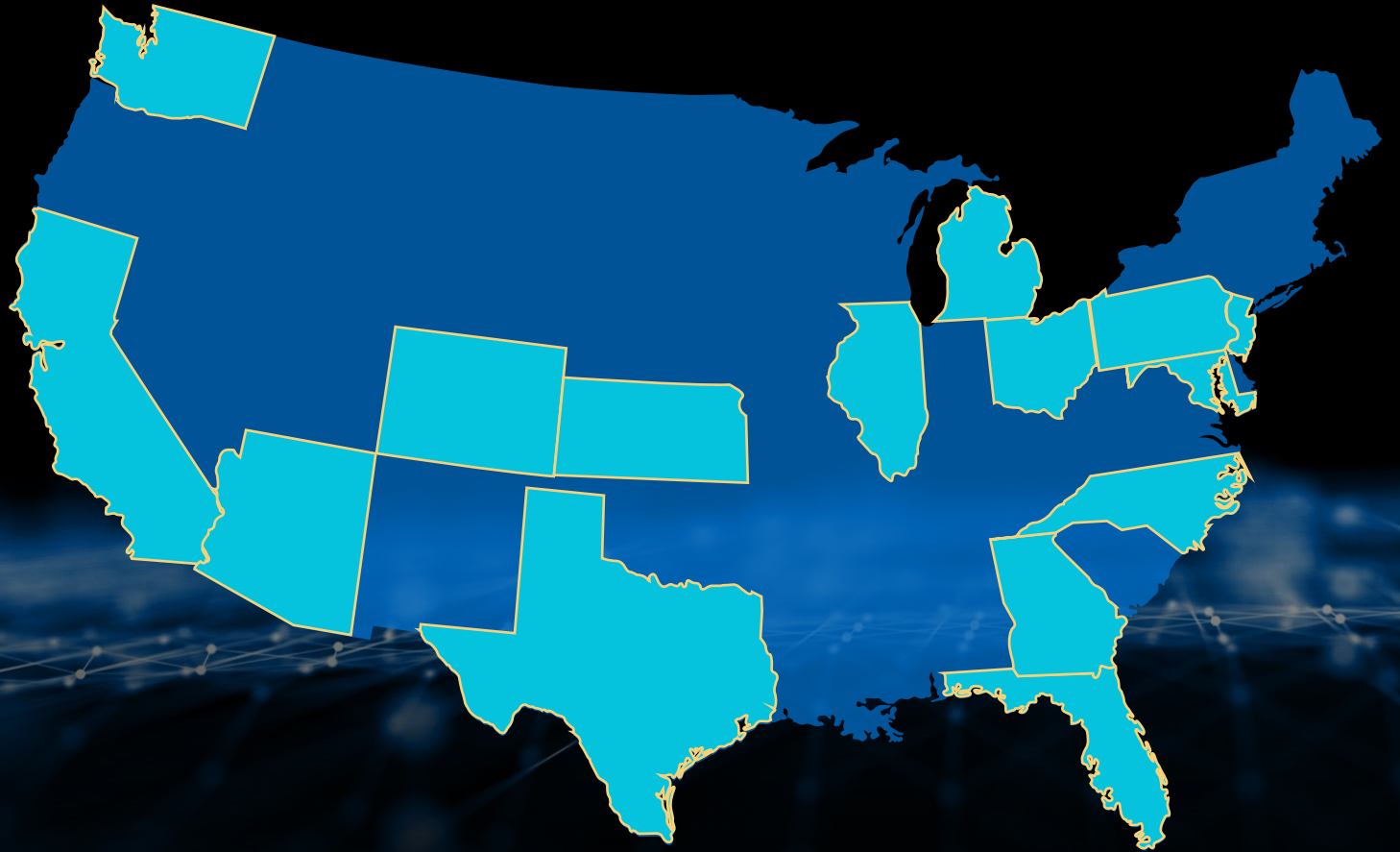
Ultium
charge 360



ULTIUM CHARGE 360: METRO DCFC NETWORK



- ACCELERATE INFRASTRUCTURE
- 3,250 DCFC IN 52 MARKETS
- 18 STATES LIVE TODAY, 25 METRO AREAS
- 350 KW CAPABILITY



GM and Pilot Company to build a coast-to-coast fast charging network.



2,000 EV charging stalls will be installed at up to 500 Pilot and Flying J travel centers



Will help enable coast-to-coast EV travel and connect communities across America



Initial Phase 1 EV charging stalls (shown in reference map) expected to be operational in 2023



Chargers will be capable of delivering up to 350kW*



Pilot. FLYING J

EVgo
FAST CHARGING

*Actual charge times will vary based on vehicle capabilities and settings.
Locations intended to provide an approximation of future charging sites.

ULTIUM CHARGE 360: DEALER COMMUNITY CHARGING

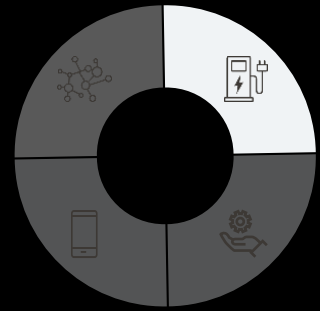


UP TO
40,000

DESTINATION
CHARGERS

- ACCELERATE EV ADOPTION ACROSS US & CANADA
- SUPERIOR EXPERIENCE FOR GM EV OWNERS
- THE STRENGTH OF THE GM DEALER NETWORK

ULTIUM CHARGE 360 : PRODUCTS



11.5 KW/48-AMP
SMART
CHARGER

11.5 KW/48-AMP
PREMIUM
SMART CHARGER

19.2KW/80-AMP
PREMIUM
SMART CHARGER



PROFESSIONAL GRADE
CUSTOMIZABLE SCREENS
EMBEDDED CAMERAS

National Electric Vehicle Infrastructure



- Federal funding allocated to State DOTs
- Federal guidance continues to come out
- All state plans approved - solicitations to begin in late 2022
- Operational stations in late 2023-2024



It is important that we get this right!

A commitment to EVs for everyone.

GM and Ultium Cells are investing nearly \$17B in electric vehicle manufacturing which is expected to create nearly 9,000 jobs across the U.S.



ORION ASSEMBLY

Chevrolet Bolt EV
Chevrolet Bolt EUV
Cruise AV test vehicles
Chevrolet Silverado EV²
GMC Electric Sierra³

\$4B
INVESTMENT

FACTORY ZERO, DETROIT HAMTRAMCK

GMC HUMMER EV Pickup¹
GMC HUMMER SUV¹
Chevrolet Silverado EV²
GMC Electric Sierra³
Cruise Origin

\$2.2B
INVESTMENT

SPRING HILL COMPLEX

Cadillac LYRIQ⁴

\$2B
INVESTMENT

TOLEDO PROPULSION SYSTEMS

Transform GM Toledo into the company's first EV propulsion plant in the United States

\$760M
INVESTMENT

MARION METAL CENTER

New press lines, upgrades and renovations to prepare the facility to produce a variety of steel and aluminum stamped parts for future products, including EVs

\$491M
INVESTMENT

LOCKPORT COMPONENTS

Renovation to facility and purchase/installation of new machinery and equipment

\$154M
INVESTMENT

GLOBAL TECHNICAL CENTER

Cadillac CELSTIQ production

\$81M
INVESTMENT

BEDFORD CASTING OPERATIONS

Upgrades to support drive unit castings for new Silverado EV

\$51.7M
INVESTMENT

PONTIAC STAMPING

Support future electric vehicle production

\$40M
INVESTMENT

ORION
PONTIAC
LANSING
WARREN
DETROIT

LOCKPORT

TOLEDO

WARREN

MARION

BEDFORD

JOINT VENTURE EXPANSION

ULTIUM CELLS LANSING

Battery cell manufacturing plant joint venture with LG Energy Solution

\$2.6B
INVESTMENT

ULTIUM CELLS WARREN

Battery cell manufacturing plant joint venture with LG Energy Solution

\$2.3B
INVESTMENT

ULTIUM CELLS SPRING HILL

Battery cell manufacturing plant joint venture with LG Energy Solution

\$2.3B
INVESTMENT

SPRING HILL

¹Edition 1 Pickup limited availability by waitlist. Additional GMC Hummer EV models available fall 2022.
²Silverado availability in 2023.
³Electric Sierra availability will be announced at a later date.
⁴Cadillac LYRIQ initial availability first half of 2022.

Key Supply Chain Priorities



Secure



Sustainable



Scalable



Cost Competitive

Identify and execute strategic long-term partnerships to secure each critical level of the complete value chain

EV Battery Recycling

“What happens to old batteries?”



- Today we recycle 100% of batteries that are returned to us
- >95% of material can be recycled and re-inserted into supply chain
- A strong federal recycling program can augment the domestic raw material supply chain for Lithium, Cobalt, Nickel, etc.



- Old EV batteries retain up to 75% of their energy storage capacity
- Possible uses in stationary storage for redundancy, storage for wind/solar applications, or EV charging

Road Use Tax / VMT Discussion



- ICE vehicle efficiency versus EV adoption
- EV Registration Fees
- Long-term considerations



Thank You!